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## ABSTRACT OF THE DISCLOSURE

The steps of obtaining three-dimensional shape data representing a three-dimensional shape model, designating a portion required to be corrected of the three-dimensional shape model, displaying a surface to be joined to the designated portion, modifying a shape of the surface corresponding to a change of a designated parameter of the surface, and redisplaying the modified surface are provided. Filling of a lack portion of a part of the tree-dimensional shape model is achieved by an easy input operation.